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AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL – BRAZIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

AD No.: 2007-11-02

Effective Date: 12 Dec. 2007

The following Brazilian Airworthiness Directive (AD), issued by the Agência Nacional de Aviação Civil (ANAC) in accordance with provisions of Chapter IV, Title III of Código Brasileiro de Aeronáutica - Law No. 7,565 dated 19 December 1986 - and Regulamento Brasileiro de Homologação Aeronáutica (RBHA) 39, applies to all aircraft registered in the Registro Aeronáutico Brasileiro. No person may operate an aircraft to which this AD applies, unless it has previously complied with the requirements established herein.

AD No. 2007-11-02 - EMBRAER - Amendment 39-1219.

APPLICABILITY:

This Airworthiness Directive is applicable to Embraer ERJ-190 aircraft of serial numbers (S/N) 19000002, 19000004 and 19000006 thru 19000060.

CANCELLATION / REVISION:

Not applicable.

REASON:

It has been found cases where the pressure equalization valve was not installed in the left-hand bulkhead blowout panel, on the forward and/or aft cargo compartments, thus affecting the effectiveness of fire detection, containment and suppression.

Since this condition affects flight safety, a corrective action is required. Thus, sufficient reason exists to request compliance with this AD in the indicated time limit.

REQUIRED ACTION:

Inspection and, if necessary, installation of the pressure equalization valves.

COMPLIANCE:

Required as indicated below, unless already accomplished.

Within the next 500 flight hours after the effective date of this AD, perform a general visual inspection (GVI) on the left-hand bulkhead blowout panel on both the forward and aft cargo compartments to check whether the pressure equalization valves part number (P/N) 120-48865-003 are installed.

- (a) If both pressure equalization valves are installed in their respective blowout panels, no additional action is required.
- (b) If either valve is missing, within the next 700 flight hours after the effective date of this AD, install the missing valves P/N 120-48865-003 according to Embraer Service Bulletin No. 190-21-0019 original issue, or further revisions approved by the ANAC.

NOTE: For the purpose of this AD, a general visual inspection (GVI) is: "A visual examination of an interior or exterior area, installation or assembly to detect obvious damage, failure or irregularity. This level of inspection is made from within touching distance, unless otherwise specified. A mirror may be necessary to enhance visual access to all exposed surfaces in the inspection area. This level of inspection is made under normally available lighting conditions such as daylight, hangar lighting, flashlight or drop-light, and may require removal or opening of access panels or doors. Stands, ladders or platforms may be required to gain proximity to the area being checked."

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletin No. 190-21-0019 original issue, or further revisions approved by the ANAC.

Record compliance with this AD in the applicable maintenance log book.

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NOTE: Original in Portuguese language signed and available in the files of the Aeronautical Products Certification Branch (GGCP) of the National Civil Aviation Agency (ANAC).